

ABSTRACT OF THE DISCLOSURE

The invention provides a fuel cell having a gas flow path formed therein provided with a space through which a reactive gas flows and a process for the production thereof. More particularly, in ejection devices, a first gas flow path is formed in a first substrate which has been conveyed by a belt conveyor driven by a driving device according to signal from a controlling device. Subsequently, the first substrate which has been conveyed by the belt conveyor is processed in an ejection device to form a first collector layer thereon and processed in an ejection device to form a first gas diffusion layer thereon. Subsequently, the first substrate which has been conveyed by the belt conveyor is processed in an ejection device to form a first reactive layer thereon and processed in an ejection device to form an electrolyte membrane thereon. Similarly, the first substrate is processed in an ejection device to form a second reactive layer thereon, processed in an ejection device to form a gas diffusion layer thereon and processed in an ejection device to form a second collector layer thereon. A second substrate which has been processed in ejection device and to form a second gas flow path thereon is then disposed on the first substrate at a predetermined position to complete the production of a fuel cell having a gas flow path formed therein the opening width of which is smaller than the particle diameter of the material constituting the gas diffusion layer.